

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Zhenan Bao, et al.

Serial No.: N/A

Filed: Herewith

For: FORMING CLOSELY SPACED ELECTRODES

Group No.: N/A

Examiner: N/A

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement.

This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Form PTO-1449. Copies of the listed references are submitted herewith.

<u>U.S. Patent No.</u>	<u>Inventor</u>	<u>Date</u>
2003/0047796 A1	Bao et al.	March 13, 2003
2002/0171125 A1	Bao et al.	November 21, 2002

References:

Stephen D. Evans, Abraham Ulman, Kim E. Goppert-Beraducci and Louis J. Gerenser; "SELF ASSEMBLED MULTILAYERS OF  $\omega$ -MERCAPTOALKANOIC ACIDS; SELECTIVE IONIC INTERACTIONS"; J. American Chemical Society 1991; Pgs. 5866-5868.

C. Zhou, M.R. Deshpande, M.A. Reed, L. JonesII and J.M. Tour; "NANOSCALE METAL/SELF ASSEMBLED MONOLAYER/METAL HETEROSTRUCTURES"; Appl. Physics Letter 71, 4 August 1997; Pgs. 611-613.

X D Cui, X. Zarate, J. Tomfohr, O F Sankey; A. Primak, A L Moore, T A Moore, D. Gust, G Harris and S M Lindsay; "MAKING ELECTRICAL CONTACTS TO MOLECULAR MONOLAYERS"; Nanotechnology 13 2002; Pgs. 5-14.

Mathias Brust, Peter M. Blass and Allen J. Bard; "SELF ASSEMBLY OF PHOTOLUMINESCENT COPPER (I) DITHIOL MULTILAYER THIN FILMS AND BULK MATERIALS"; 1997 American Chemical Society; Pgs. 5602-5607.

Tina Louise Brower, Myneeka Cook and Abraham Ulman; "MIXED SELF-ASSEMBLED MULTILAYER OF 4,4'-DIMERCAPTOBIPHENYL AND 1,8-OCTANEDITHIOL"; American Chemical Society.

JH Schon and Z. Bao; "NONOSCALE ORGANIC TRANSISTORS BASED ON SELF-ASSEMBLED MONOLAYERS"; American Institute of Physics 2002, Vol. 80, Number 5; 4 February 2002; Pgs. 847-849.

Jan Hendrik Schon, Hong Meng & Zhenan Bao; "SELF ASSEMBLED MONOLAYER ORGANIC FIELD EFFECT TRANSISTORS"; Letters to Nature, Vol 413, 18 October 2001; Pgs. 713-716.

Z. Hatzor and P.S. Weiss; "MOLECULAR RULERS FOR SCALING DOWN NANOSTRUCTURES"; Science Vol 291; 9 February 2001; Pgs. 1019-1020.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure

Statement. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 08-2395.

Respectfully submitted,

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**Substitute for form 1449/PTO**

**Complete if Known**

Application Number	N/A
Filing Date	Herewith
First Named Inventor	Zhenan Bao
Art Unit	N/A
Examiner Name	N/A

Sheet

1 of 1

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Application Number	N/A
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				First Named Inventor	Zhenan Bao
				Art Unit	N/A
				Examiner Name	N/A
Sheet	2	of	2	Attorney Docket Number	BAO

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
		Stephen D. Evans, Abraham Ulman, Kim E. Goppert-Beraducci and Louis J. Gerenser; "SELF ASSEMBLED MULTILAYERS OF w-MERCAPTOALKANOIC ACIDS; SELECTIVE IONIC INTERACTIONS"; J. American Chemical Society 1991; Pgs. 5866-5868.				
		C. Zhou, M.R. Deshpande, M.A. Reed, L. Jonesll and J.M. Tour; "NANOSCALE METAL/SELF ASSEMBLED MONOLAYER/METAL HETEROSTRUCTURES"; Appl. Physics Letter 71, 4 August 1997; Pgs. 611-613.				
		X D Cui, X. Zarate, J. Tomfohr, O F Sankey; A. Primak, A L Moore, T A Moore, D. Gust, G Harris and S M Lindsay; "MAKING ELECTRICAL CONTACTS TO MOLECULAR MONOLAYERS"; Nanotechnology 13 2002; Pgs. 5-14.				
		Mathias Brust, Peter M. Blass and Allen J. Bard; "SELF ASSEMBLY OF PHOTOLUMINESCENT COPPER (I) DITHIOL MULTILAYER THIN FILMS AND BULK MATERIALS"; 1997 American Chemical Society; Pgs. 5602-5607.				
		Tina Louise Brower, Myneeka Cook and Abraham Ulman; "MIXED SELF-ASSEMBLED MULTILAYER OF 4,4'-DIMERCAPTOBIPHENYL AND 1,8-OCTANEDITHIOL"; American Chemical Society.				
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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